

## Section II-iii-A

### Soil Erodibility (K) Factor and Soil-loss Tolerance (T) Value

#### General

Soil erodibility factors (K) and soil-loss tolerances (T) are used in an equation that predicts the amount of soil loss resulting from rainfall erosion of cropland. The soil-loss prediction procedure is useful to guide the selection of practices for soil and water conservation. The procedure is outlined and illustrated in Agricultural Handbook No. 537.

#### Soil Erodibility (K) Factor

The soil erodibility factor "K" indicates the susceptibility of a soil to sheet and rill erosion by water. Soil properties that influence erodibility by water are: (1) Those that affect infiltration rate, movement of water through the soil, and water storage capacity; and (2) those that resist dispersion, splashing, abrasion, and transporting forces from rainfall and runoff. Soil properties that are most important are percent silt plus very fine sand, percent organic matter, percent sand coarser than very fine sand, structure, and permeability. "Kw" is an erodibility factor which quantifies the susceptibility of the soil particles to detachment and movement by water, this factor is adjusted for the effect of rock fragments. "Kf" is an erodibility factor which quantifies the susceptibility of the soil particles to detachment by water.

#### Soil-loss Tolerance (T) Factor

The soil-loss tolerance factor "T" is an estimate of the maximum annual rate of soil erosion that can occur over a sustained period without affecting crop productivity. The rate is expressed in tons of soil loss per acre per year. Rates of 1 through 5 are used, depending upon soil properties and prior erosion.

Soil-loss tolerances were subjectively evaluated, based on the following general guides:

1. Maintenance of an adequate rooting depth for crop production.
2. Potential crop yield reduction.
3. Maintenance of water control structures affected by sedimentation.
4. Prevention of gullies.
5. Value of nutrients lost.

#### Wind Erosion

Potential erodibilty from wind erosion is estimated by multiplying the following factors of the Wind Erosion Equation (WEQ).

1. Climatic characterization of windspeed and surface soil moisture (C)
2. The susceptibility of the soil to wind erosion (I)

The erodibility index for wind erosion is represented by the formula CI/T. A soil map unit is highly erodible if the CI/T value equals or exceed 8.

## Physical Properties of the Soils

Kennebec County, Maine

Entries under "Erosion Factors--T" apply to the entire profile. Entries under "Wind Erodibility Group" and "Wind Erodibility Index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-	Organic Matter	Erosion Factors			Wind Erodibility Group	Wind Erodibility Index
										In	Pct	Pct	Kw Kw	Kf Kf
BhB: Berkshire	0-8	---	---	3-10	1.10-1.15	0.6-6	0.10-0.22	0.0-2.9	2.0-5.0	.24	.24	5	3	86
	8-24	---	---	3-10	1.15-1.30	0.6-6	0.10-0.20	0.0-2.9	---	.32	.37			
	24-60	---	---	1-10	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.24	.28			
BkB: Berkshire	0-2	---	---	3-10	1.10-1.15	0.6-6	0.06-0.22	0.0-2.9	2.0-5.0	.20	.24	5	8	0
	2-24	---	---	3-10	1.15-1.30	0.6-6	0.10-0.20	0.0-2.9	---	.32	.37			
	24-60	---	---	1-10	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.24	.28			
BkC: Berkshire	0-2	---	---	3-10	1.10-1.15	0.6-6	0.06-0.22	0.0-2.9	2.0-5.0	.20	.24	5	8	0
	2-24	---	---	3-10	1.15-1.30	0.6-6	0.10-0.20	0.0-2.9	---	.32	.37			
	24-60	---	---	1-10	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.24	.28			
BkD: Berkshire	0-2	---	---	3-10	1.10-1.15	0.6-6	0.06-0.22	0.0-2.9	2.0-5.0	.20	.24	5	8	0
	2-24	---	---	3-10	1.15-1.30	0.6-6	0.10-0.20	0.0-2.9	---	.32	.37			
	24-60	---	---	1-10	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.24	.28			
Bo: Biddeford	0-8	---	---	0	0.10-0.30	0.2-6	0.20-0.45	---	30-99	---	---	3	8	0
	8-13	---	---	20-50	0.90-1.20	0.2-2	0.24-0.34	0.0-2.9	0.0-10	.32	.32			
	13-32	---	---	35-55	1.30-1.70	0.0000-0.2	0.13-0.23	3.0-5.9	0.5-3.0	.49	.49			
	32-60	---	---	35-55	1.40-1.80	0.0000-0.2	0.06-0.16	3.0-5.9	0.0-0.5	.49	.49			
BuB2: Buxton	0-7	---	---	15-30	0.90-1.20	0.2-2	0.25-0.30	0.0-2.9	3.0-8.0	.32	.32	3	6	48
	7-15	---	---	20-45	1.10-1.55	0.06-0.6	0.13-0.28	3.0-5.9	0.5-3.0	.49	.49			
	15-36	---	---	20-45	1.40-1.70	0.0000-0.2	0.10-0.16	3.0-5.9	0.0-1.0	.49	.49			
	36-60	---	---	35-55	1.40-1.80	0.0000-0.2	0.06-0.16	3.0-5.9	0.0-0.5	.49	.49			

## Physical Properties of the Soils - Continued

Kennebec County, Maine

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index	
		In	Pct	Pct	Pct	g/cc	In/Hr	In/In	bility Pct	Pct	Kw Kw	Kf Kf	T T		
BuB2:															
BuC2: Buxton	0-7	---	---	15-30	0.90-1.20	0.2-2	0.25-0.30	0.0-2.9	3.0-8.0	.32	.32	3	6	48	
	7-15	---	---	20-45	1.10-1.55	0.06-0.6	0.13-0.28	3.0-5.9	0.5-3.0	.49	.49				
	15-36	---	---	20-45	1.40-1.70	0.0000-0.2	0.10-0.16	3.0-5.9	0.0-1.0	.49	.49				
	36-60	---	---	35-55	1.40-1.80	0.0000-0.2	0.06-0.16	3.0-5.9	0.0-0.5	.49	.49				
C.F.: Cut And Fill Land	0-60	---	---	1-15	1.00-2.00	0.06-20	0.01-0.20	0.0-2.9	0.5-10	---	---	---	---	---	
D.L.: Dune Land	0-6	---	---	0-1	1.50-1.60	6-20	0.03-0.04	0.0-2.9	0.0-0.1	.10	---	5	1	220	
	6-60	---	---	0-1	1.50-1.60	6-20	0.03-0.05	0.0-2.9	0.0-0.1	.10	---				
DeB: Deerfield	0-8	---	---	0-5	1.10-1.50	6-20	0.05-0.09	0.0-2.9	2.0-9.0	.17	.17	5	2	134	
	8-26	---	---	0-5	1.20-1.50	20-100	0.03-0.07	0.0-2.9	---	.17	.17				
	26-60	---	---	0-5	1.20-1.50	20-100	0.03-0.06	0.0-2.9	---	.17	.17				
G.P.: Gravel Pits	0-6	---	---	0-1	---	6-20	0.01-0.02	0.0-2.9	0.0-0.1	.02	---	---	8	0	
	6-60	---	---	0-1	---	6-20	0.01-0.02	0.0-2.9	---	.02	---				
Ha: Hadley	0-10	---	---	2-13	1.10-1.35	0.6-2	0.20-0.40	0.0-2.9	2.0-6.0	.32	.32	5	5	56	
	10-34	---	---	2-13	0.90-1.35	0.6-2	0.20-0.45	0.0-2.9	1.0-4.0	.49	.49				
	34-60	---	---	2-13	1.00-1.40	0.6-2	0.18-0.40	0.0-2.9	0.5-3.0	.49	.49				
HfC:															

## Physical Properties of the Soils - Continued

Kennebec County, Maine

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-	Organic Matter	Erosion Factors			Wind Erodi-ability Group	Wind Erodi-ability Index
										In	Pct	Pct	Kw Kw	Kf Kf
HfC: Hartland	0-7	---	---	2-18	0.90-1.50	0.6-2	0.13-0.30	0.0-2.9	2.0-6.0	.49	.49	5	5	56
	7-15	---	---	2-18	1.10-1.50	0.6-2	0.12-0.26	0.0-2.9	---	.64	.64			
	15-28	---	---	2-18	1.45-1.65	0.6-2	0.12-0.26	0.0-2.9	---	.64	.64			
	28-60	---	---	3-16	1.45-1.65	0.6-2	0.09-0.26	0.0-2.9	---	.64	.64			
HfD: Hartland	0-7	---	---	2-18	0.90-1.50	0.6-2	0.13-0.30	0.0-2.9	2.0-6.0	.49	.49	5	5	56
	7-15	---	---	2-18	1.10-1.50	0.6-2	0.12-0.26	0.0-2.9	---	.64	.64			
	15-28	---	---	2-18	1.45-1.65	0.6-2	0.12-0.26	0.0-2.9	---	.64	.64			
	28-60	---	---	3-16	1.45-1.65	0.6-2	0.09-0.26	0.0-2.9	---	.64	.64			
HkB: Hinckley	0-2	---	---	1-7	1.10-1.40	6-20	0.09-0.12	0.0-2.9	2.0-6.0	.20	.24	5	3	86
	2-10	---	---	0-7	1.15-1.45	6-20	0.05-0.12	0.0-2.9	0.5-2.0	.24	.24			
	10-30	---	---	0-5	1.25-1.55	6-20	0.02-0.05	0.0-2.9	0.0-0.5	.15	.17			
	30-60	---	---	0-3	1.45-1.65	20-100	0.01-0.02	0.0-2.9	---	.10	.17			
HkC: Hinckley	0-2	---	---	1-7	1.10-1.40	6-20	0.09-0.12	0.0-2.9	2.0-6.0	.20	.24	5	3	86
	2-10	---	---	0-7	1.15-1.45	6-20	0.05-0.12	0.0-2.9	0.5-2.0	.24	.24			
	10-30	---	---	0-5	1.25-1.55	6-20	0.02-0.05	0.0-2.9	0.0-0.5	.15	.17			
	30-60	---	---	0-3	1.45-1.65	20-100	0.01-0.02	0.0-2.9	---	.10	.17			
HkD: Hinckley	0-2	---	---	1-7	1.10-1.40	6-20	0.09-0.12	0.0-2.9	2.0-6.0	.20	.24	5	3	86
	2-10	---	---	0-7	1.15-1.45	6-20	0.05-0.12	0.0-2.9	0.5-2.0	.24	.24			
	10-30	---	---	0-5	1.25-1.55	6-20	0.02-0.05	0.0-2.9	0.0-0.5	.15	.17			
	30-60	---	---	0-3	1.45-1.65	20-100	0.01-0.02	0.0-2.9	---	.10	.17			
HrB:														

## Physical Properties of the Soils - Continued

Kennebec County, Maine

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										In	Pct	Pct	Kw Kw	Kf Kf
HrB: Hollis	0-5	---	---	2-10	0.75-1.20	2-6	0.08-0.25	0.0-2.9	1.0-4.0	.28	.28	1	---	---
	5-18	---	---	2-10	0.90-1.40	2-6	0.08-0.28	0.0-2.9	---	.32	.37			
	18-22	---	---	---	---	0.010-20	--	---	---	---	---			
HrC: Hollis	0-5	---	---	2-10	0.75-1.20	2-6	0.08-0.25	0.0-2.9	1.0-4.0	.28	.28	1	---	---
	5-18	---	---	2-10	0.90-1.40	2-6	0.08-0.28	0.0-2.9	---	.32	.37			
	18-22	---	---	---	---	0.010-20	--	---	---	---	---			
HrD: Hollis	0-5	---	---	2-10	0.75-1.20	2-6	0.08-0.25	0.0-2.9	1.0-4.0	.28	.28	1	---	---
	5-18	---	---	2-10	0.90-1.40	2-6	0.08-0.28	0.0-2.9	---	.32	.37			
	18-22	---	---	---	---	0.010-20	--	---	---	---	---			
HtB: Hollis	0-5	---	---	2-10	0.75-1.20	2-6	0.13-0.24	0.0-2.9	---	.20	.28	1	---	---
	5-18	---	---	2-10	0.90-1.40	2-6	0.08-0.28	0.0-2.9	---	.32	.37			
	18-22	---	---	---	---	0.010-20	--	---	---	---	---			
HtC: Hollis	0-5	---	---	2-10	0.75-1.20	2-6	0.13-0.24	0.0-2.9	---	.20	.28	1	---	---
	5-18	---	---	2-10	0.90-1.40	2-6	0.08-0.28	0.0-2.9	---	.32	.37			
	18-22	---	---	---	---	0.010-20	--	---	---	---	---			
Rock Outcrop	0-60	---	---	---	---	---	--	---	---	---	---	---	8	0
HtD: Hollis	0-5	---	---	2-10	0.75-1.20	2-6	0.13-0.24	0.0-2.9	---	.20	.28	1	---	---
	5-18	---	---	2-10	0.90-1.40	2-6	0.08-0.28	0.0-2.9	---	.32	.37			
	18-22	---	---	---	---	0.010-20	--	---	---	---	---			
Rock Outcrop	0-60	---	---	---	---	---	--	---	---	---	---	---	8	0

## Physical Properties of the Soils - Continued

Kennebec County, Maine

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										In	Pct	Pct	Kw Kw	Kf Kf
HtD:														
Lk:														
Limerick	0-10	---	---	2-18	0.90-1.35	0.6-2	0.20-0.40	0.0-2.9	5.0-10	.32	.32	5	3	86
	10-60	---	---	2-18	1.00-1.50	0.6-2	0.20-0.40	0.0-2.9	1.0-4.0	.49	.49			
LyB:														
Lyman	0-4	---	---	2-10	0.75-1.20	2-6	0.08-0.25	0.0-2.9	1.0-4.0	.28	.28	1	---	---
	4-18	---	---	2-10	0.90-1.40	2-6	0.08-0.28	0.0-2.9	---	.32	.37			
	18-22	---	---	---	---	0.010-20	---	---	---	---	---			
LyC:														
Lyman	0-4	---	---	2-10	0.75-1.20	2-6	0.08-0.25	0.0-2.9	1.0-4.0	.28	.28	1	---	---
	4-18	---	---	2-10	0.90-1.40	2-6	0.08-0.28	0.0-2.9	---	.32	.37			
	18-22	---	---	---	---	0.010-20	---	---	---	---	---			
LyD:														
Lyman	0-4	---	---	2-10	0.75-1.20	2-6	0.08-0.25	0.0-2.9	1.0-4.0	.28	.28	1	---	---
	4-18	---	---	2-10	0.90-1.40	2-6	0.08-0.28	0.0-2.9	---	.32	.37			
	18-22	---	---	---	---	0.010-20	---	---	---	---	---			
LzC:														
Lyman	0-4	---	---	2-10	0.75-1.20	2-6	0.13-0.24	0.0-2.9	---	.20	.28	1	---	---
	4-18	---	---	2-10	0.90-1.40	2-6	0.08-0.28	0.0-2.9	---	.32	.37			
	18-22	---	---	---	---	0.010-20	---	---	---	---	---			
Rock Outcrop	0-60	---	---	---	---	---	---	---	---	---	---	---	8	0
M.L.:														
Made Land	0-60	---	---	---	---	---	0.00	---	---	---	---	---	8	0
MoA:														

## Physical Properties of the Soils - Continued

Kennebec County, Maine

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										In	Pct	Pct	Kw Kw	Kf Kf
MoA: Monarda	0-5	---	---	10-18	1.00-1.30	0.6-6	0.17-0.32	0.0-2.9	3.0-8.0	.28	.28	2	5	56
	5-13	---	---	10-18	1.30-1.70	0.0000-2	0.15-0.32	0.0-2.9	0.0-4.0	.28	.32			
	13-60	---	---	10-18	1.70-1.95	0.0000-0.2	0.05-0.10	0.0-2.9	0.0-0.5	.28	.32			
MrA: Monarda	0-5	---	---	10-18	1.00-1.30	0.6-6	0.15-0.30	0.0-2.9	0.0-8.0	.20	.28	2	8	0
	5-13	---	---	10-18	1.30-1.70	0.0000-2	0.15-0.25	0.0-2.9	0.0-4.0	.28	.32			
	13-60	---	---	10-18	1.70-1.95	0.0000-0.2	0.05-0.10	0.0-2.9	0.0-0.5	.28	.32			
PbB: Paxton	0-8	---	---	3-10	1.00-1.30	0.6-2	0.10-0.23	0.0-2.9	2.0-6.0	.24	.24	3	3	86
	8-31	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
	31-60	---	---	3-10	1.70-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.20	.24			
PbC: Paxton	0-8	---	---	3-10	1.00-1.30	0.6-2	0.10-0.23	0.0-2.9	2.0-6.0	.24	.24	3	3	86
	8-31	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
	31-60	---	---	3-10	1.70-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.20	.24			
PcB: Paxton	0-8	---	---	3-10	1.00-1.30	0.6-2	0.10-0.23	0.0-2.9	---	.20	.24	3	3	86
	8-31	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
	31-60	---	---	3-10	1.70-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.20	.24			
PcC: Paxton	0-8	---	---	3-10	1.00-1.30	0.6-2	0.10-0.23	0.0-2.9	---	.20	.24	3	3	86
	8-31	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
	31-60	---	---	3-10	1.70-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.20	.24			
PcD:														

## Physical Properties of the Soils - Continued

Kennebec County, Maine

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										In	Pct	Pct	Kw Kw	Kf Kf
PcD: Paxton	0-8	---	---	3-10	1.00-1.30	0.6-2	0.10-0.23	0.0-2.9	---	.20	.24	3	3	86
	8-31	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
	31-60	---	---	3-10	1.70-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.20	.24			
PdB: Paxton	0-8	---	---	3-10	1.00-1.30	0.6-2	0.10-0.23	0.0-2.9	2.0-6.0	.24	.24	3	3	86
	8-31	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
	31-60	---	---	3-10	1.70-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.20	.24			
Charlton	0-8	---	---	3-10	1.10-1.15	0.6-6	0.10-0.22	0.0-2.9	2.0-5.0	.24	.24	5	3	86
	8-30	---	---	3-10	1.15-1.30	0.6-6	0.10-0.20	0.0-2.9	---	.32	.37			
	30-60	---	---	1-10	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.24	.28			
PdC2: Paxton	0-6	---	---	3-10	1.00-1.30	0.6-2	0.10-0.23	0.0-2.9	2.0-6.0	.24	.24	3	3	86
	6-27	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
	27-60	---	---	3-10	1.70-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.20	.24			
Charlton	0-6	---	---	3-10	1.10-1.15	0.6-6	0.10-0.22	0.0-2.9	2.0-5.0	.24	.24	5	3	86
	6-20	---	---	3-10	1.15-1.30	0.6-6	0.10-0.20	0.0-2.9	---	.32	.37			
	20-60	---	---	1-10	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.24	.28			
PdD2: Paxton	0-6	---	---	3-10	1.00-1.30	0.6-2	0.10-0.23	0.0-2.9	2.0-6.0	.24	.24	3	3	86
	6-27	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
	27-60	---	---	3-10	1.70-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.20	.24			
Charlton	0-6	---	---	3-10	1.10-1.15	0.6-6	0.10-0.22	0.0-2.9	2.0-5.0	.24	.24	5	3	86
	6-20	---	---	3-10	1.15-1.30	0.6-6	0.10-0.20	0.0-2.9	---	.32	.37			
	20-60	---	---	1-10	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.24	.28			

PeB:

## Physical Properties of the Soils - Continued

Kennebec County, Maine

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-	Organic Matter	Erosion Factors			Wind Erodi-ability Group	Wind Erodi-ability Index
										In	Pct	Pct	Kw Kw	Kf Kf
PeB: Paxton	0-2	---	---	3-10	1.00-1.30	0.6-2	0.10-0.23	0.0-2.9	---	.20	.24	3	3	86
	2-31	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
	31-60	---	---	3-10	1.70-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.20	.24			
Charlton	0-2	---	---	3-10	1.10-1.15	0.6-6	0.06-0.22	0.0-2.9	2.0-5.0	.20	.24	5	8	0
	2-24	---	---	3-10	1.15-1.30	0.6-6	0.10-0.20	0.0-2.9	---	.32	.37			
	24-60	---	---	1-10	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.24	.28			
PeC: Paxton	0-2	---	---	3-10	1.00-1.30	0.6-2	0.10-0.23	0.0-2.9	---	.20	.24	3	3	86
	2-31	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
	31-60	---	---	3-10	1.70-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.20	.24			
Charlton	0-2	---	---	3-10	1.10-1.15	0.6-6	0.06-0.22	0.0-2.9	2.0-5.0	.20	.24	5	8	0
	2-24	---	---	3-10	1.15-1.30	0.6-6	0.10-0.20	0.0-2.9	---	.32	.37			
	24-60	---	---	1-10	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.24	.28			
PeD: Paxton	0-2	---	---	3-10	1.00-1.30	0.6-2	0.10-0.23	0.0-2.9	---	.20	.24	3	3	86
	2-31	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
	31-60	---	---	3-10	1.70-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.20	.24			
Charlton	0-2	---	---	3-10	1.10-1.15	0.6-6	0.06-0.22	0.0-2.9	2.0-5.0	.20	.24	5	8	0
	2-24	---	---	3-10	1.15-1.30	0.6-6	0.10-0.20	0.0-2.9	---	.32	.37			
	24-60	---	---	1-10	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.24	.28			
PfB: Peru	0-5	---	---	3-10	1.00-1.30	0.6-2	0.14-0.23	0.0-2.9	2.0-6.0	.24	.24	3	3	86
	5-22	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
	22-60	---	---	3-10	1.60-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.24	.28			
PkB:														

## Physical Properties of the Soils - Continued

Kennebec County, Maine

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-	Organic Matter	Erosion Factors			Wind Erodi-ability Group	Wind Erodi-ability Index
										In	Pct	Pct	Kw Kw	Kf Kf
PkB: Peru	0-5	---	---	3-10	0.80-1.00	0.6-2	0.16-0.24	0.0-2.9	---	.20	.24	3	3	86
	5-22	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
	22-60	---	---	3-10	1.60-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.24	.28			
PkC: Peru	0-5	---	---	3-10	0.80-1.00	0.6-2	0.16-0.24	0.0-2.9	---	.20	.24	3	3	86
	5-22	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
	22-60	---	---	3-10	1.60-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.24	.28			
RcA: Ridgebury	0-8	---	---	4-10	1.00-1.30	0.6-2	0.18-0.25	0.0-2.9	2.0-8.0	.24	.24	2	3	86
	8-14	---	---	4-10	1.40-1.65	0.6-2	0.12-0.28	0.0-2.9	0.5-2.0	.32	.37			
	14-60	---	---	4-10	1.70-2.00	0.06-0.6	0.01-0.06	0.0-2.9	0.0-0.5	.24	.28			
RdA: Ridgebury	0-8	---	---	4-10	1.00-1.30	0.6-2	0.18-0.28	0.0-2.9	4.0-8.0	.20	.28	2	8	0
	8-14	---	---	4-10	1.40-1.65	0.6-2	0.12-0.28	0.0-2.9	0.5-2.0	.32	.37			
	14-60	---	---	4-10	1.70-2.00	0.06-0.6	0.01-0.06	0.0-2.9	0.0-0.5	.24	.28			
Rf: Rifle	0-12	---	---	---	0.20-0.35	0.6-6	0.45-0.55	---	70-90	---	---	3	5	56
	12-65	---	---	---	0.08-0.20	0.6-6	0.45-0.55	---	70-90	---	---			
SA: Saco	0-11	---	---	2-10	0.90-1.20	0.6-2	0.20-0.30	0.0-2.9	2.0-10	.32	.28	5	8	0
	11-34	---	---	2-10	1.10-1.35	0.6-2	0.20-0.30	0.0-2.9	0.5-2.0	.49	.49			
	34-60	---	---	2-10	1.30-1.50	0.6-2	0.20-0.30	0.0-2.9	0.0-2.0	.49	.49			
ScA: Scantic	0-9	---	---	15-40	1.05-1.22	0.2-2	0.24-0.34	0.0-2.9	3.0-9.0	.32	.32	3	6	48
	9-30	---	---	20-55	1.15-1.75	0.0000-0.2	0.13-0.28	3.0-5.9	0.5-3.0	.49	.49			
	30-60	---	---	35-55	1.40-1.80	0.0000-0.2	0.06-0.16	3.0-5.9	0.0-0.5	.49	.49			

## Physical Properties of the Soils - Continued

Kennebec County, Maine

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										In	Pct	Pct	Kw Kw	Kf Kf
ScA:														
Sd: Scarboro	0-4	---	---	0	0.55-0.75	0.2-6	0.20-0.45	---	80-99	---	---	4	8	0
	4-14	---	---	1-5	1.15-1.35	6-20	0.01-0.13	0.0-2.9	3.0-20	.17	.17			
	14-28	---	---	0-2	1.35-1.55	6-20	0.01-0.09	0.0-2.9	0.0-0.5	.17	.17			
	28-60	---	---	0-2	1.35-1.55	6-20	0.01-0.09	0.0-2.9	0.0-0.5	.10	.15			
SkB: Scio	0-10	---	---	2-18	1.20-1.50	0.6-2	0.16-0.22	0.0-2.9	2.0-6.0	.49	.49	5	5	56
	10-22	---	---	2-18	1.20-1.50	0.6-2	0.15-0.20	0.0-2.9	---	.64	.64			
	22-60	---	---	2-18	1.45-1.65	0.6-2	0.10-0.20	0.0-2.9	---	.64	.64			
SkC2: Scio	0-8	---	---	2-18	1.20-1.50	0.6-2	0.16-0.22	0.0-2.9	2.0-6.0	.49	.49	5	5	56
	8-20	---	---	2-18	1.20-1.50	0.6-2	0.15-0.20	0.0-2.9	---	.64	.64			
	20-60	---	---	2-18	1.45-1.65	0.6-2	0.10-0.20	0.0-2.9	---	.64	.64			
SuC2: Suffield	0-6	---	---	15-30	0.90-1.20	0.2-2	0.25-0.30	0.0-2.9	3.0-8.0	.32	.32	2	6	48
	6-18	---	---	20-45	1.10-1.55	0.06-0.6	0.13-0.28	3.0-5.9	0.5-3.0	.49	.49			
	18-60	---	---	35-55	1.40-1.80	0.0000-0.2	0.06-0.16	3.0-5.9	0.0-0.5	.49	.49			
SuD2: Suffield	0-6	---	---	15-30	0.90-1.20	0.2-2	0.25-0.30	0.0-2.9	3.0-8.0	.32	.32	2	6	48
	6-18	---	---	20-45	1.10-1.55	0.06-0.6	0.13-0.28	3.0-5.9	0.5-3.0	.49	.49			
	18-60	---	---	35-55	1.40-1.80	0.0000-0.2	0.06-0.16	3.0-5.9	0.0-0.5	.49	.49			
SuE2: Suffield	0-6	---	---	15-30	0.90-1.20	0.2-2	0.25-0.30	0.0-2.9	3.0-8.0	.32	.32	2	6	48
	6-18	---	---	20-45	1.10-1.55	0.06-0.6	0.13-0.28	3.0-5.9	0.5-3.0	.49	.49			
	18-60	---	---	35-55	1.40-1.80	0.0000-0.2	0.06-0.16	3.0-5.9	0.0-0.5	.49	.49			

## Physical Properties of the Soils - Continued

Kennebec County, Maine

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										In	Pct	Pct	Kw Kw	Kf Kf
To: Togus	0-15	---	---	0	0.10-0.30	2-6	0.20-0.40	---	80-99	---	---	2	8	0
	15-36	---	---	0	0.10-0.30	2-6	0.20-0.40	---	80-99	---	---			
	36-65	---	---	0-2	1.35-1.55	6-20	0.01-0.10	0.0-2.9	80-99	.10	.10			
Va: Vassalboro	0-27	---	---	0	0.10-0.30	2-6	0.20-0.40	0.0-2.9	80-99	---	---	3	8	0
	27-65	---	---	0	0.10-0.30	2-6	0.20-0.40	0.0-2.9	80-99	---	---			
	29-60	---	---	0-5	1.20-1.50	20-100	0.03-0.04	0.0-2.9	0.0-0.5	.17	.17	5	2	134
WmB: Windsor	0-10	---	---	0-5	1.00-1.30	6-20	0.06-0.12	0.0-2.9	2.0-5.0	.17	.17			
	10-29	---	---	0-5	1.10-1.45	6-20	0.03-0.10	0.0-2.9	1.0-3.0	.17	.17			
	29-60	---	---	0-5	1.20-1.50	20-100	0.03-0.04	0.0-2.9	0.0-0.5	.17	.17			
WmC: Windsor	0-10	---	---	0-5	1.00-1.30	6-20	0.06-0.12	0.0-2.9	2.0-5.0	.17	.17	5	2	134
	10-29	---	---	0-5	1.10-1.45	6-20	0.03-0.10	0.0-2.9	1.0-3.0	.17	.17			
	29-60	---	---	0-5	1.20-1.50	20-100	0.03-0.04	0.0-2.9	0.0-0.5	.17	.17			
WmD: Windsor	0-10	---	---	0-5	1.00-1.30	6-20	0.06-0.12	0.0-2.9	2.0-5.0	.17	.17	5	2	134
	10-29	---	---	0-5	1.10-1.45	6-20	0.03-0.10	0.0-2.9	1.0-3.0	.17	.17			
	29-60	---	---	0-5	1.20-1.50	20-100	0.03-0.04	0.0-2.9	0.0-0.5	.17	.17			
Wn: Winooski	0-10	---	---	2-14	0.95-1.35	0.6-2	0.20-0.35	0.0-2.9	2.0-8.0	.32	.32	5	3	86
	10-42	---	---	2-15	0.95-1.40	0.6-2	0.20-0.45	0.0-2.9	0.5-2.0	.49	.49			
	42-60	---	---	2-10	1.10-1.50	0.6-2	0.18-0.40	0.0-2.9	0.0-1.0	.49	.49			
WrB:														

## Physical Properties of the Soils - Continued

Kennebec County, Maine

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										In	Pct	Pct	Kw Kw	Kf Kf
WrB: Woodbridge	0-7	---	---	3-10	1.00-1.30	0.6-2	0.14-0.23	0.0-2.9	2.0-6.0	.24	.24	3	3	86
	7-22	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
	22-60	---	---	3-10	1.60-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.24	.28			
WrC: Woodbridge	0-7	---	---	3-10	1.00-1.30	0.6-2	0.14-0.23	0.0-2.9	2.0-6.0	.24	.24	3	3	86
	7-22	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
	22-60	---	---	3-10	1.60-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.24	.28			
WsB: Woodbridge	0-7	---	---	3-10	0.80-1.00	0.6-2	0.16-0.24	0.0-2.9	---	.20	.24	3	3	86
	7-22	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
	22-60	---	---	3-10	1.60-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.24	.28			
WsC: Woodbridge	0-7	---	---	3-10	0.80-1.00	0.6-2	0.16-0.24	0.0-2.9	---	.20	.24	3	3	86
	7-22	---	---	3-10	1.30-1.60	0.6-2	0.06-0.20	0.0-2.9	---	.32	.37			
					22-60	---	---	3-10	1.60-2.05	0.06-0.6	0.05-0.12	0.0-2.9	---	.24